Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/31/2021 10:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124119	-1	1.99	124057	1.98
Blue	F	SSC	125000	122846	-2	2.62	123365	2.49
Blue	E	FITC	14284	13807	-4	2.8	386	13.73
Blue	D	PE	23919	23392	-3	2.39	554	10.7
Blue	B	PerCP-Cy5-5	31332	30464	-3	3.45	871	15.09
Blue	A	PE-Cy7	22272	22041	-2	5.45	459	30.95
Red	C	APC	47768	46911	-2	2.71	1610	11.64
Red	A	APC-Cy7	25313	24490	-4	3.02	693	12.6
Violet	B	V450	7085	6733	-5	3.62	468	11.26
Violet	A	V500	26969	25792	-5	3.12	882	8.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23779	3.99	585	-4	N/A	N/A	Pass
Blue	F	SSC	55004	2.32	522	1	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	-7	0.0420	56	Pass
Blue	D	PE	107	39.54	491	-6	0.3977	293	Pass
Blue	B	PerCP-Cy5-5	135	42.14	580	-8	0.0195	69	Pass
Blue	A	PE-Cy7	77	79.62	627	-8	0.0217	0	Pass
Red	C	APC	335	27.15	581	1	0.0280	258	Pass
Red	A	APC-Cy7	128	36.71	554	-1	0.0062	1669	Pass
Violet	B	V450	80	45.04	456	-7	0.0560	1969	Pass
Violet	A	V500	104	30.23	467	-7	0.0265	813	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.80	-31.59	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	13.95	13.60 - 20.40	N/A	N/A	29.99	30.21	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11788

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments